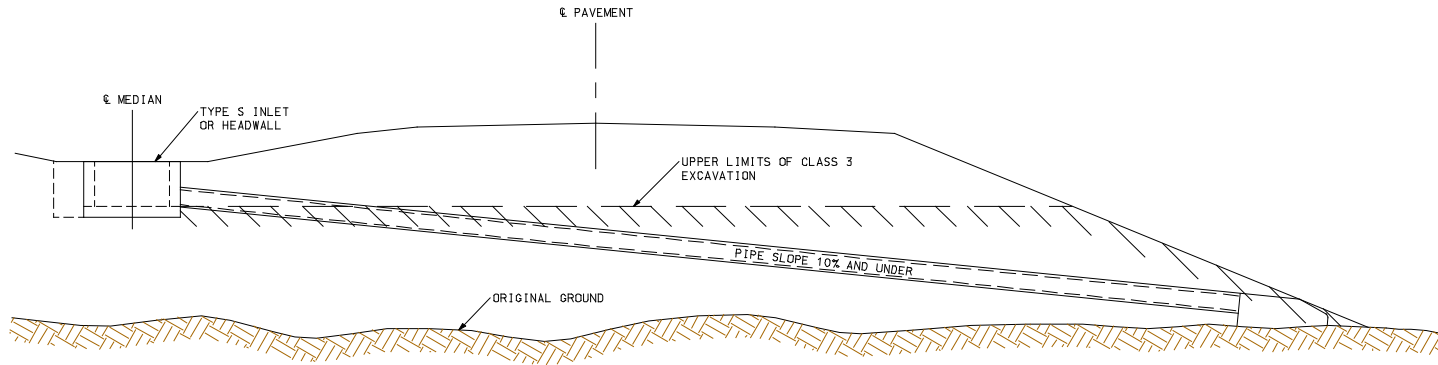
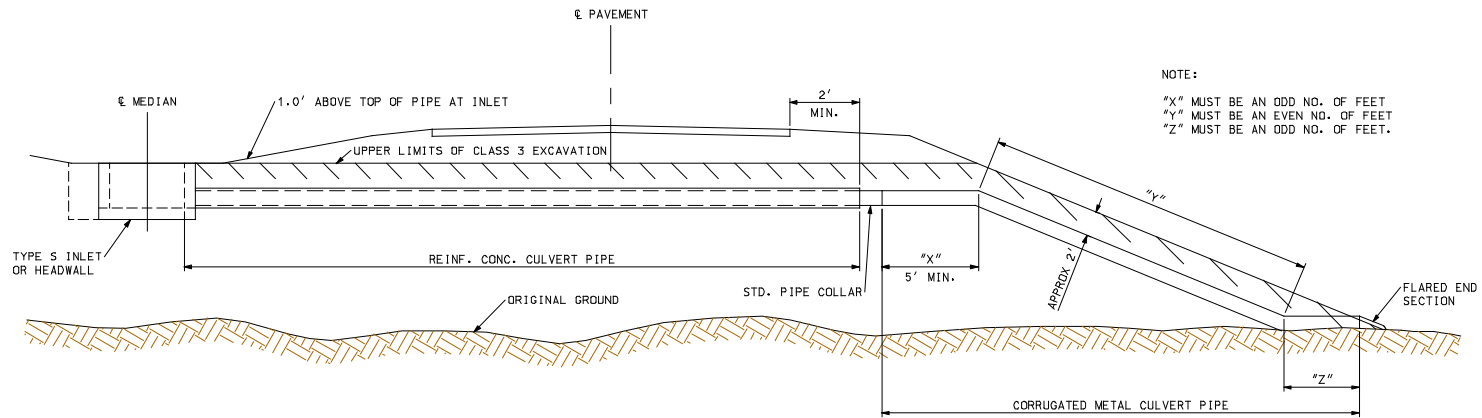


Upper Limits of Class 3 Excavation and Data for Design of Drainage Structures in Fill



MEDIAN PIPE ON STRAIGHT ALIGNMENT
USE WHEN PIPE SLOPE IS 10% OR LESS



NOTE:
 "x" MUST BE AN ODD NO. OF FEET
 "y" MUST BE AN EVEN NO. OF FEET
 "z" MUST BE AN ODD NO. OF FEET.

COMBINATION OF RIGID AND FLEXIBLE PIPE ON BROKEN-BACK ALIGNMENT
USE WHEN PIPE SLOPE IS MORE THAN 10%